

DIRECTOR OF CENTRAL INTELLIGENCE  
Intelligence Information Handling Committee

DDI  
17 May 77

DCI/IC 77-1720  
17 May 1977

MEMORANDUM FOR: Director of Central Intelligence

FROM: [redacted] Chairman  
DCI Intelligence Information  
Handling Committee (IHC)

THROUGH: Deputy to the DCI for the  
Intelligence Community

SUBJECT: DCI - Presidential Communications

1. Action Requested: That DCI task Chairman IHC to prepare a more detailed presentation on the subject summarized by this memorandum, as a basis for DCI review and decision on implementing some of the alternatives identified. See recommendation in last paragraph.

2. The DCI recently expressed a desire to improve his communications with the President. One specific suggestion was the possibility of delivering to the President a "paperless" PDB.

3. To accomplish this, the several variables to be considered include: (a) the three possible locations of the DCI (i.e., EOB, CHB, and CIA Headquarters); (b) the location of the President (i.e., White House); and (c) several possible configurations using secure voice and other secure communications to present text and graphics.



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Next 1 Page(s) In Document Exempt



SUBJECT: DCI - Presidential Communications

DCI/IC 77-1720

Distribution:

Orig - Addressee

1 - D/DCI/IC

1 - DDI/CIA (Attn: [redacted] PPG)

1 - D/CO/CIA (Attn: [redacted])

1 - Exec Registry

1 - IC Registry

1 - D/OPP/ICS

1 - IHC Subj (DCI-Presidential Communications)

1 - IHC Chrono

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DCI/IC/IHC/[redacted]/mf/x1281 gr/17 May 77



OFFICE OF THE DIRECTOR

TO: *Nathan Fitts*  
 FROM: *EA/DCI Bernie Mc Mahon*  
 SUBJECT: *LCOR*

Date: *4 May 77*

REMARKS:

*Memo of Conversation*  
*Adm. T. O'Mahoney*  
*Yesterday at DCI*  
*Chairman's meeting*

*Room 1403*

*1724 F ST.*

*x5824*

# ACTION

UNCLASSIFIED CONFIDENTIAL SECRET

## EXECUTIVE SECRETARIAT

### Routing Slip

Approved For Release 2004/03/15 : CIA-RDP80M00165A000300210003-6

TO:

		ACTION	INFO	DATE	INITIALS
1	DCI		X		
2	DDCI		X		
3	D/DCI/IC				
4	DD&T				
5	DDI	X			
6	DDA		X		
7	DDO				
8	D/DCI/NI				
9	GC				
10	LC				
11	IG				
12	Compt				
13	D/Pers				
14	D/S				
15	DTR				
16	Asst/DCI				
17	AO/DCI				
18	C/IPS				
19	DCI/SS				
20	D/EE0				
21	L. Lapham		X		
22	ES		X		

SUSPENSE

Date

Remarks:

25X1

D. C. Evans  
 Executive Secretary  
 3 May 77



**CONFIDENTIAL**

Executive Registry

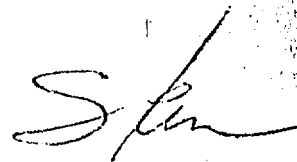
77-7492

: | 9 MAY 1977

MEMORANDUM FOR: Deputy Director of Central Intelligence  
FROM: Director of Central Intelligence  
SUBJECT: Meeting with Richard Harden

1. Last Friday I had a discussion with Mr. Richard Harden of the White House Staff. He is working on a proposal for a complex automated information flow and data system for the Executive Office of the President and the White House. He envisages our tying into it for such purposes as transmitting information to the Situation Room and others. He will send me a specific proposal that he is working up to present to the President. We will have an opportunity to comment on it.

2. In the meantime, I am interested in whether the group we have that is studying new ways to display and deliver our intelligence product is looking at an interconnected system of computer-driven cathode-ray tubes. Are we considering delivering the PDB, for instance, by direct wire to the cathode-ray tube in the President's office? Is there some big opening here for solving some of our security problems, e.g., nothing need be written down!



STANSFIELD TURNER  
Admiral, U.S. Navy

**CONFIDENTIAL**

25X1



MEMORANDUM FOR: A/DDCI

*Lew:*

The attached memos from Sayre Stevens and [redacted] address paragraph 2 of the DCI's memo to DDCI dated 3 May.

Nate has advised that he met with Mr. Harden on 18 May and will report separately on the matter, which will respond to paragraph 1 of the DCI's memo.

*To - SA/DDCI*  
*77-7492/1 2/2*

[redacted]  
D. C. Evans  
Executive Secretary

Date 19 May 1977

FORM 101 USE PREVIOUS  
5-75 EDITIONS



TRANSMITTAL SLIP		DATE	18	77
TO: Executive Secretariat				
ROOM NO.	BUILDING			
7D6019	CIA Hq Bldg			
REMARKS:				
(Attn: <input type="text"/> )				
<p>I have delivered attached to the IC Staff front office, with request that it be reviewed, and forwarded with comments, as appropriate, to Admiral Turner.</p> <p>Note that this replies only to para. 2 of DCI's memo to DDCI dtd 3 May.</p> <p>Para. 1 of that memo, re Mr. Harden is a separate matter. I am seeing Harden at White House today, and will report separately.</p>				
FROM: <input type="text"/>		Chm THC		
ROOM NO.	BUILDING		EXTENSION	
1W03	CHB		<input type="text"/>	
FORM NO. 241 1 FEB 53		REPLACES FORM 36-8 WHICH MAY BE USED.		

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77-7492/2

DDT

DIRECTOR OF CENTRAL INTELLIGENCE  
Intelligence Information Handling Committee

DCI/IC 77-1720  
17 May 1977

MEMORANDUM FOR: Director of Central Intelligence

FROM:  Chairman  
DCI Intelligence Information  
Handling Committee (IHC)

THROUGH: Deputy to the DCI for the  
Intelligence Community

SUBJECT: DCI - Presidential Communications

1. Action Requested: That DCI task Chairman IHC to prepare a more detailed presentation on the subject summarized by this memorandum, as a basis for DCI review and decision on implementing some of the alternatives identified. See recommendation in last paragraph.

2. The DCI recently expressed a desire to improve his communications with the President. One specific suggestion was the possibility of delivering to the President a "paperless" PDB.

3. To accomplish this, the several variables to be considered include: (a) the three possible locations of the DCI (i.e., EOB, CHB, and CIA Headquarters); (b) the location of the President (i.e., White House); and (c) several possible configurations using secure voice and other secure communications to present text and graphics.

4. Secure Voice. The types of secure voice which could interconnect the DCI's and the President's locations include: the "green" AUTOSEVOCON system; the "gray" system; the Executive Secure Voice System (ESVS) with the KY-70; some semi-dedicated lines via the White House switchboard; and the SV-8 radiotelephone for secure voice in quarters. Some of these systems are not interconnectable to all locations. The CIA Office of Communications, in conjunction with other communications organizations, can present the technical alternatives and costs of secure voice upon receipt of further guidance on specific user requirements.

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5. Secure Text and Graphics Communications. Assuming a secure voice capability can be provided, the next question is: What additional media, such as CRT or color TV monitor, might be useful for DCI-Presidential intercommunication? There are several cases to consider:

a. One alternative is for the text of the PDB to be transmitted electrically to the White House Situation Room (WHSR), and relayed from there to a CRT in the President's office, using the WHSR computer.

b. However, a CRT text terminal would not be adequate to transmit maps and photos that sometimes accompany the PDB. TV transmission could convey those materials. However, TV transmission in color across town would have to be digitized and encrypted. A band width on the order of 40 megabits would be required -- this, for example, is more than is used for 1,000 grey phones, and the largest crypto capability today is on the order of only 20 megabits. Technical and cost factors make this alternative prohibitive.

c. An alternative to TV transmission is the use of a video cassette and TV monitor located in the recipient's office. The PDB, including graphic and photo material, could be prepared on a video cassette, which would be delivered to the White House via courier. With a color TV monitor and a cassette player in his office, the President could then both see and hear the PDB at any time he wished, and the cassette could be returned to CIA, leaving no hard copy. This equipment is now readily available commercially, although it would have to be secured electrically from emanating to other transceivers.

d. Simultaneously, a video cassette copy of the PDB could be displayed at the DCI's desk, also, and both he and the President could watch the PDB simultaneously, or at separate times, and could discuss it at will via secure voice.

6. Another modular improvement would be to have the PDB cassette on a TV monitor, over the face of which is attached a commercial product called a Telestrator. This device permits each participant to use an electronic pen to make symbols or to write or annotate the text or graphic being displayed. A "stop frame" feature can be added, to hold the presentation up at any point. This ties in with the use of secure voice conversation, and that can be accomplished via a speaker-phone as an alternative to a hand-held instrument.



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7. If netting to other senior personnel in the Washington area is desired, this can be accomplished through the further extension of the CRT, TV monitor, and voice secure conferencing network (named Project CONTEXT/DISCON) that is now being developed jointly by the Information Handling Division, IC Staff,

8. All of the above modular systems that present graphics and maps can be operated in full color without, however, the use of high cost broad-band communications that would be required for encrypted TV. In addition to the disadvantages of broadcast TV mentioned heretofore, the studio staging and producing requirements are both complex and costly. That medium should not be adopted without prior full consideration of the simpler and less costly alternatives such as described above.

9. Testing of human reactions to alternative forms of communication, particularly in stress situations, has been conducted by R&D organizations such as IDA and DARPA. As a general rule, it has been found that the most successful communication-information systems are those which try to copy the natural communication-information habits of the particular users. Simplicity of operation is desirable.

*For*  
*OK*

10. Recommendation: We would be pleased to have the opportunity to undertake follow-up actions in this case, according to DCI guidance. It is recommended that the DCI task the Chairman IHC, as part of our ongoing studies of conferencing communications, to make a further analysis of the alternatives summarized above. Such a more thorough presentation could serve as the basis for DCI review and possible decision on implementing one or another of the alternatives.

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SUBJECT: DCI - Presidential Communications

DCI/IC 77-1720

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✓ 1 - Exec Registry

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1 - D/OPP/ICS

1 - IHC Subj (DCI-Presidential Communications)

1 - IHC Chrono

DCI/IC/IHC [redacted] 17 May 77



ADMINISTRATIVE

Executive Registry

77-7492/1

DDI #

1872-77/1

13 MAY 1977

MEMORANDUM FOR: Deputy Director of Central Intelligence

FROM : Sayre Stevens 23 MAY 1977  
Deputy Director for Intelligence

SUBJECT : Delivery of Intelligence via Cathode Ray Tube

REFERENCE : Memo to DDCI, dated 3 May 1977, Exec.  
Reg. #77-7492, Subject: Meeting with  
Richard Harden

1. The CIA Presentational Means Steering Panel has been looking into systems, video in particular, which offer promise for enhancing the effectiveness of our product, but it has not yet explored their interconnection.

2. Present data communications do provide for electronic delivery of our finished intelligence texts to CRT's in the White House Situation Room. This could be extended to other locations in the White House. Facsimile links are also in existence and are being upgraded. Completion and extension of SAFE and ADSTAR could ultimately provide for improved transmission of text and for limited transmission of graphics for CRT display. (See the attached chart.)

3. It is technically feasible to provide an integrated system for delivering all types of intelligence to the White House via CRT's. Depending on the complexity of the system, however, it would not be unreasonable to anticipate some practical constraints in the area of security, personnel and equipment costs, and the production of television materials. Interfacing intelligence communications with a White House information system would require the earliest possible coordination with Mr. Harden. Perhaps more important is a clear understanding of the mutual requirements of the President and the DCI.

4. Regarding the question of security, an interconnected computer-based system could enhance security by keeping audit trails of documents. At the same time such a system raises additional security problems.

Sayre Stevens

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Attachment:  
Chart

(~~CONFIDENTIAL~~)

ADMINISTRATIVE - INTERNAL USE ONLY



## Communications to White House Situation Room

	CRT Systems	Television	Black and White Hard-copy Facsimile	
<b>Text</b>	Currently on-line	Tentative plan 1980 1 2	Currently on-line WASHFAX	On-line FY-78 LASERFAX
<b>Charts and Graphs</b>	(SAFE/ ADSTAR 1980-81) 1			
<b>Maps and Sketches</b>	MARGINAL QUALITY			
<b>Photo- graphs</b>				
<b>Overhead Photo- graphy</b>		MARGINAL QUALITY		
<b>Film Clips</b>				

1. Would require supporting communications  
2. Currently an unfunded program

**Confidential**

25X1



# EXECUTIVE SECRETARIAT

## Routing Slip

TO:		ACTION	INFO	DATE	INITIAL
1	DCI		X		
2	DDCI		X		
3	D/DCI/IC				
4	DDS&T				
5	DDI	X			
6	DDA		X		
7	DDO				
8	D/DCI/NI				
9	GC				
10	LC				
11	IG				
12	Compt				
13	D/Pers				
14	D/S				
15	DTR				
16	Asst/DCI				
17	AO/DCI				
18	C/IPS				
19	DCI/SS				
20	D/EE0				
21	L. Lapham		X		
22	ES		X		
		SUSPENSE _____ Date _____			

Remarks:

25X1

D. C. EVANS  
Executive Secretary  
3 May 77  
Date

3437 (7-76)

(EXCISE REGISTRY FILE)

QDT



**CONFIDENTIAL**

Executive Registry

77-7492

11 8 MAY 1977

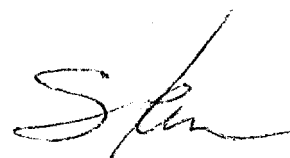
MEMORANDUM FOR: Deputy Director of Central Intelligence

FROM: Director of Central Intelligence

SUBJECT: Meeting with Richard Harden

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STANSFIELD TURNER  
Admiral, U.S. Navy

**CONFIDENTIAL**

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# INTELLIGENCE COMMUNITY STAFF

18 May 77

## Routing:

EO/ICS (review)  
AD/DCI/IC (review)  
D/DCI/IC (approve)

Request D/DCI/IC review the attached and forward it to Admiral Turner, with comments.

Attached memo from Chm IHC to DCI responds to a DCI inquiry at the last meeting of DCI Committee chairmen with Admiral Turner. This inquiry was also levied on DDCI, by memo (attached) dtd 3 May 77.

The memo herewith to Admiral Turner responds to para. 2 in the 3 May 77 memo, and concerns DCI-President intercommunication, e.g., for the PDB, via automated means.

The response being made by DDI/CIA to DDCI is also attached. Frankly, I think it is a weak reply, and I am glad to have had the opportunity for us to furnish our own answer.

I have coordinated the attached with Gil Sargent, CIA/OC, who finds it satisfactory from the OC point of view.

I am taking action separately on para. 1 of the 3 May 77 memo, re Mr. Harden. I have an appointment to see him today in the White House.

TRANSMITTAL SLIP		DATE
TO:		
ROOM NO.	BUILDING	
REMARKS:		
<p>Executive Registry advises it expects to forward DDI/CIA response to Admiral Turner forthwith.</p> <p>Request IC Staff front office take expeditious action so that our response to the same question will reach DCI simultaneously.</p>		
25X1		
FROM:		
ROOM NO.	BUILDING	EXTENSION
FORM NO. 241 1 FEB 55		REPLACES FORM 36-8 WHICH MAY BE USED.

25X1